

WHAT IS CLAIMED IS

1. A shelf comprising upright columns and first and second horizontally-extending bars having ends connected to the columns and the improvements comprising:
the column comprising side walls each defining at least one first hole, a first rib being formed on the side wall adjacent the first hole;
the first bar being arranged in a first horizontal direction with the end thereof connected to the column, the end of the first bar forming an end tab in which at least one first hook is formed and sized to fit into the first hole of one of the side walls, the first hook comprising a surface in which a second rib is formed, the second rib receivingly engageable with the first rib to strength the connection between the end of the first bar and the column;
the second bar being arranged in a second horizontal direction with the end thereof connected to the column, the end of the second bar forming an end tab in which at least one second hook is formed and sized to fit into the first hole of another one of the side walls, the second hook comprising a surface in which a third rib is formed, the third rib receivingly engageable with the first rib to strength the connection between the end of the second bar and the column, the second bar forming a support flange.
2. The shelf as claimed in Claim 1, wherein the side wall defines a plurality of first holes adjacent to and spaced from each other.
3. The shelf as claimed in Claim 1, wherein the first hole has an inverted trapezoidal shape having a narrowed lower portion.
4. The shelf as claimed in Claim 1, wherein the first rib of the column is raised.

5. The shelf as claimed in Claim 1, wherein the second rib of the first hook of the first bar is recessed.
6. The shelf as claimed in Claim 1, wherein the third rib of the second hook of the second bar is recessed.
7. The shelf as claimed in Claim 1 further comprising at least one board positioned on and supported by the support flanges of the second bars.
8. The shelf as claimed in Claim 1, wherein the end tabs of the first and second bars each define a second hole whereby when the first and second hooks of the first and second bars are fit into the first holes, the second holes align with next ones of the first holes.
9. The shelf as claimed in Claim 8 further comprising a pin extending through each of the second holes and the associated first hole.
10. The shelf as claimed in Claim 9, wherein the pin comprises an L-shaped body and an expanded portion formed at an end of the L-shaped body, the expanded portion being larger than the second hole.